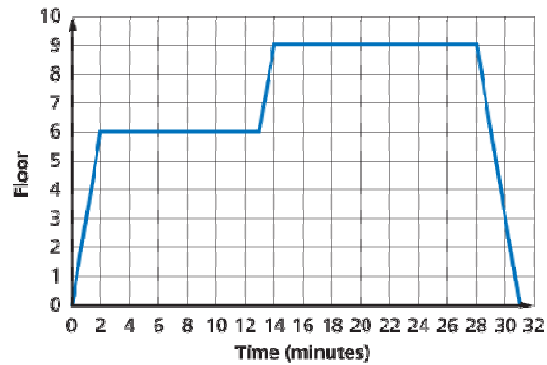


Lesson 7-1

Problem

The graph shown provides information about Caitlin's vertical position in a ten-story office building.

- What is represented by the horizontal axis? the vertical axis?
- What do the lines moving upward represent?
- What do the horizontal segments of the graph represent?
- What does the line moving downward represent?
- What is the total time Caitlin spent on the 6th floor?
- What could be represented by the graph shown here?



Solve the Problem

- The horizontal axis represents time in minutes. The vertical axis represents the floors of the office building.
- The lines moving upward represent Caitlin going in the elevator to a higher floor of the building.
- The horizontal segments represent Caitlin staying on a floor of the building.
- The line going downward represents Caitlin going down in the elevator to return to the ground floor.
- Caitlin spent 11 min on the 6th floor.
- The new graph could represent Caitlin starting on an upper floor of the building, taking the elevator to one of the lower floors, staying on that floor for awhile, taking the elevator back to the floor where she started, and staying on that floor.

